WHAT IS CLAIMED IS:

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- 1. A safety device for protecting a worker from accidental energization or potential rise due to ground fault events of a distribution cable, comprising a main insulated gap formed between two conductors, a precision gap between said two conductors, and connected in parallel with said precision gap a surge arrester and a resistor in series.
- 2. The safety device of claim 1 wherein said precision gap comprises a gap arrester.
- 3. The safety device of claim 2 wherein said gap arrester comprises a gas discharge tube arrester.
- The safety device of claim 2 wherein said gap arrester has a breakdown voltage between 100V and 10,000V.
 - 5. The safety device of claim 2 wherein said gap arrester has a breakdown voltage of approximately 3000V.
- 20 6. The safety device of claim 1 wherein said surge arrester comprises an MOV arrester.
 - 7. The safety device of claim 1 wherein said main gap comprises two conductors separated by an insulated space.
 - 8. The safety device of claim 7 wherein said main gap comprises two conductive bars secured together and insulated from each other.
- 9. The safety device of claim 1 wherein said surge arrester has a voltage rating below that of the precision gap.
 - 10. The safety device of claim 1 wherein said surge arrester has a voltage rating approximately 10% below that of the precision gap.

- 11. The safety device of claim 1 wherein said resistor is a linear resistor.
- 12. The safety device of claim 11 wherein said resistor has a resistance from 20 to 10,000 ohms.
- 13. The safety device of claim 11 wherein said resistor has a resistance from 50 to 100 ohms.

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14. The safety device of claim 1 wherein said precision gap comprises a triggered gap which comprises an intelligent control to trigger the breakdown of said gap.